(a) whether any probe has been concluded into the PIN HOLE leak of heavy water in Calandria, a reactor Vessel at the Madras Atomic Power Station Unit-2; if so, the result thereof;

(b) when did the leak take place and the reasons for the leakage; when was it noticed; the reasons for delay; how long it took for engineers to ascertain source of trouble; how long it has taken to overcome the problem;

(c) when was the Reactor unit shut down; by when it will likely to start functioning fully; what has been the loss; and

(d) what measures have been taken to prevent recurrence of such mishap?

THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY AND THE MINISTER OF STATE IN THE DEPARTMENTS OF OCEAN DEVELOPMENT, ATOMIC ENERGY, ELECTRONICS AND SPACE (SHRI K. R. NARAYANAN): (a) Yes, Sir.

(b) The leak was detected on 17th August, 1988. The source of the leak was established on 20th October, 1988. Various remote operations were required to be carried out before the precise location of the leak could be determined. After establishing the source of leak, the calandria tube was plugged and reactor was restarted on 25th November, 1988.

(c) The reactor was not available from 19th August, 1988 to 25th Novebmer, 1988 resulting in loss of electricity generation from MAPS-2 amounting to about 300 million units.

(d) The remedial measures will be worked out after technical investigations are completed.

स्वास्थ्य-सेवाओं का घटिया प्रबन्ध

3160. **सरदार जगजीत सिंह अरोड़ा:** क्या **स्वास्थ्य और परिवार कल्याण** मंत्री यह बताने की कृपा करेंगे कि :

(क) क्या सरकार का ध्यान दिनांक 5 अक्तूबर, 1988 के इंडियन एक्सप्रेस में "हेल्थ सर्विसेज पुअरली प्लान्ड" शीर्षक से प्रकाशित समाचार की ओर दिलाया गया है ;

(ख) यदि हां, तो इस संबंध में ब्यौरा क्या है ;

(ग) क्या इन तथ्यों के आधार पर सरकार देश में स्वास्थ्य सेवाओं का विचार रखती है ; और

(घ) यदि हां, तो इस संबंध में ब्यौरा क्या है ?

स्वास्थ्य और परिवार कल्याण मंत्रालय में राज्य मंत्री (कुमारी सरोज खापर्डे) : (क) से (घ) इस समाचार में सही स्थिति नहीं बताई गई है। संसाधनों की उपलब्धता के अनुसार शहरी और ग्रामीण दोनों क्षेत्रों में स्वास्थ्य सुविधाएं बढ़ाई जा रही हैं। डाक्टरों की संख्या बढ़ाई गई है और सातवीं पंच वर्षीय योजना के दौरान प्राथमिक स्वास्थ्य केन्द्र और उप-केन्द्र खोलने की गति में तेजी लाई गई है।

Indo-US vaccine programme

3161. SHRI M. A. BABY: Will the PRIME MINISTER be pleased to state:

(a) whether Annex I and II (Ref. Article V of the MOU of the Indo-US vaccine Action programme and Article IV of the MOU of the same respectively) have been appended as per the understanding;

(b) if so, what are the terms and conditions laid out in them; and

(c) if not, the reasons for the delay in finalisations in spite of explicit commitment in the MOU that these would be drawn up with 90 days of signing of the MOU?

THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY AND THE MINISTER OF STATE IN THE DEPARTMENTS OF OCEAN DEVELOPMENT, ATOMIC ENERGY, ELECTRONICS AND SPACE (SHRI K. R. NARAYANAN): (a)